

ABSTRACT OF THE DISCLOSURE

Disclosed is a method and apparatus for performing power control using control information of a traffic channel in a mobile communication system that transmits the control information of the traffic channel over a control channel. Control information of a traffic channel is selected in every time interval (corresponding to every frame). Error detection information is generated for performing power control if an error occurs in at least one control information. The generated error detection information is encoded in a predetermined time interval, together with control information of the predetermined time interval, and the encoded information is transmitted over a control channel.